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25X1 Congress of Hungarian Physicists

25X1 1. [redacted]

25X1 [redacted] First Congress of Hungarian Physicists, from 23 to 30 August

25X1 1953. [redacted]

25X1 2. The aim of the congress [redacted] was twofold:

25X1 a. to make known the results of Hungarian research in the field of physics;

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b. to further the co-operation of progressive minds in the interests of the further development of physics.

To these ends the Congress would concern itself with:

1) Quantum mechanics and fundamental questions of relativity theory;

2) Approximation methods in quantum mechanics;

3) Nuclear physics;

4) Physics of solid bodies;

5) Spectroscopy;

6) The most important advances of Hungarian science in other fields of physics.

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(Note: Washington Distribution Indicated by "X"; Field Distribution by "#".)

3. The provisional program included the following lectures:

a. Quantum mechanics and relativity.

L. Jánosi	Consideration of the problem of the wave particle
K. Novobatzky	Statistical plurality of the quantum theory.

b. Approximation methods.

P. Gombás	On a neostatic quantum model

c. Nuclear physics.

S. Szalai	Experimental investigation of the energy state of light atom nuclei.
G. Sámosi	The theory of the atomic nucleus.

d. Physics of solid bodies.

Z. Gyulai	Investigations of the mechanism of crystal growth.
I. Tarján	Color centers and photoconductivity.
D. Szigeti	The connections between the optical and electrical properties of luminophoren. [sic - ? luminophoren = phosphorescent stones.]

e. Spectroscopy.

I. Kovács	The latest results of spectroscopic investigations in Hungary.

f. Advances in Hungarian physics.

P. Selényi	Methods and results in recording with the aid of an electrical load.
P. Selényi	Photoelements and rectifiers.

4. The East German Academy expected to send to this Congress:

a. Prof. Dr. phil. Robert Rompe (born 10 Septmber 1905 in Leningrad, head of the Humboldt University II Physical Institute and of the Academy's Institute for the Study of Radiation Sources.)

b. Prof. Friedrich Möglich (Professor of theoretical physics at the Humboldt University and Director of the Academy's Institute for Research on Solid Bodies.)

5. The 1953 Academy of Science's General Assembly.

The Hungarian Academy held its general assembly from 25-30 May 1953 in Budapest. It is known that Prof. Dr. Erich Correns represented East Germany. He is head of the Academy's Fiber Research Institute. Prof. Dr. F. Eisenkolb, Director of the Institute for Materials, Technische Hochschule, Dresden, also attended this assembly.

6. These scientists, "leaders in the world peace movement", were made honorary academy members.

Frédéric Jolliot-Curie	France
J. D. Bernal	England
Leopold Infeld	Poland
Kuo Mo-Sho	China

7. The lectures and discussions in natural sciences included the following:

P. Gombás	Mathematical methods applied in theoretical physics, particularly approximation methods in quantum mechanics.
J. Egerváry	Work of the Institute of Applied Mathematics in the field of mathematical physics and its application to industry.
A. Rényi	Works in the Institute of Applied Mathematics in the field of industrial applications of probability calculations.
R. Maucha	Applied biology of waters and fishing.
B. Györfy	The bearing of biochemical changes on the type of plant metabolism.
I. Ruszpyák	The latest results in researches on lymphatic circulation.
I. Littmann	Clinical and experimental results of surgery of the heart and large vessels.
J. Sós	Clinical and hygienic problems of the thyroid gland illnesses.
Gy. Ivanovics	The problem of virus multiplication - particularly Aujesky's virus.
J. Verő	Borium as a substitute for other alloying elements in steel.
G. Schay	Some thermodynamical considerations in the theories of gas absorption.
G. Fodor	Some recent researches on the stereochemistry of the organically bound nitrogen atom.
S. Lengyel	The theory of the properties of electrolytic solutions at the point of equilibrium.
R. Manninger	The fight against brucellosis in cattle under conditions of large scale agriculture.

8. List of 1953 Kossuth Prizewinners in the Fields of Natural Science.

a. 50,000 Forints

Frigyes Riesz - for his work "Studies in functional analysis".

b. 20,000 Forints

Ferenc Ratkovzky - for development of the "Diabolo" transformer and his work in the electrification of Hungary.

Zoltán Csűros - for research in the field of heterogenous catalysis.

Ambrus Ábrahám - for neuro-histological research.

Zoltán Gyulai - for investigation of the boundary layers of crystals and solutions and for production of artifical quartz crystals.

Károly Novobátzky - Fundamental quantum theory work.

Béla Szőkefalvy Nagy - for his part, with F. Riesz, in the work "Studies in functional analysis".

Jenő Egerváry - for work on differential equations and their technical applications.

c. 10,000 Forints

Károly Pál Kovács - for his work "Textbook of electrical machines" and other works.

Prof. László Verebély. Professor at the Technical University - for "Electric Power Transmission" and his work in the electrification of Hungary.

János Urbanik. Director of the Central Research Laboratory of the Electrical Industry - for work on the cooling of turbo-generators and for a work on electricity.

Sándor Müller - for work on organic chemistry for the artificial materials industry.

Alfred Romwalter. University Professor. - for research in the field of carbon chemistry.

Károly Rauss. Professor in the medical faculty of the Pécs University - for his work on protective diphtheria innoculation.

László Fuchs - for work on algebraic structures.